



THE UNIVERSITY OF  
**SOUTHERN MISSISSIPPI**

Gulf Coast Geospatial Center

730 East Beach Blvd. Long Beach, MS 39560

***Business Justification for Sole Source Justification***

We are requesting approval to purchase 21 Trimble NetR9 GNSS Reference Receiver Software and Support necessary to maintain an existing in-house system that is vital for the federally funded Regional Geospatial Modeling project.

Trimble is the only vendor that engineers, manufactures, sells, services and supports a complete solution of GNSS hardware and software. This assures the University of full system compatibility, modernization paths and technical support. Other vendors use third-party GPS/GNSS 'boards' in their units.

This Trimble solution assures the GCGC and private field users of backward compatibility for use with an already existing network of Trimble permanent base stations which are part of a national sponsored program by the Department of Commerce, National Oceanic and Atmospheric Association, National Geodetic Survey to provide accurate height information. The aforementioned equipment will allow end users to connect to our existing network via cellular modem and receive real time corrections with decimeter level accuracy. The Trimble NetR9 GNSS Reference Receiver is the only receiver capable of utilizing the RT27 protocol for integrating with an existing Trimble Pivot Platform software package and without further costs for additional licensing.

The Trimble solution assures GCGC and private field users of backward compatibility with existing equipment. This assures agencies and the public that a significant percentage of the installed or operating systems will reliably work when utilizing the GCGC system. Additionally, Trimble has used an "open architecture" in their system which meets industry standards for compatibility. Public or field users are not required to operate with Trimble equipment thereby assuring fair competition amongst the user community. Trimble is the only company producing these systems that can assure GCGC of an open, vendor independent operating platform. The public or government is not locked into a single vendor for "field equipment".

Trimble Navigations is the only manufacturer of Trimble Hardware and Software. Navigation Electronics Inc. (NEI) is the only authorized Trimble Mapping/GIS Dealer within the State of Mississippi. Contractual agreements limit dealers to sell specific geographic territory for the purpose of local support for customers.



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